RESEARCH ARTICLES

Coevolutionary patterns and diversification of avian malaria parasites in African sunbirds (Family Nectariniidae) Elvin J. Lauron, Claire Loiseau, Rauri C. K. Bowie, Greg S. Spiller, Thomas B. Smith, Martin Mob and Ravinder N. M. Sehgal

Biotransformation of anthelmintics and the activity of drug-metabolizing enzymes in the tapeworm Moniezia expansa Lukáš Prchal, Hana Bártíková, Aneta Bečanová, Robert Jirásko, Ivan Vokrál, Lucie Buchtílková, Lenka Skaláková, Vladimír Kubalek, Jiří Lamka, František Trejtnar and Barbora Šoltáková

Morphology and phylogeny of two new species of Sphaeromyxa Thélohan, 1892 (Cnidaria: Myxozoa) from marine fish (Ostariophysi and Tetraodontiformes) Pavla Bartošová-Sojková, Alena Kodádková, Hana Pecková, Roman Kuchta and Cécile C. Reed

An introduced pentastomid parasite (Raillietiella frenata) infects native cane toads (Bufo marinus) in Panama Crystal KuklaKukla, Kristin Saltin and Mark E. Torchin

Prevalence of Toxoplasma gondii in localized populations of Apodemus sylvaticus is linked to population genotype not to population location J. Bahnke, K. Boyce, M. T. Riggs, P. S. Craig, Z. L. Sun and G. Hole

Investigation of effects of Gamboa duodenalis on transcellular and paracellular transport in enterocytes using in vitro Ussing chamber experiments Kristoffer R. Tyner and Lucy J. Robertson

Genetic and antigenic diversity of Thekia parva in cattle in Eastern and Southern zones of Tanzania. A study to support control of East Coast fever Mwega Eliya, Sahil Deo Hasan, Najiba Mosavi, Rukambala Eipokdi, Robert Selton and Paul Gwakisa

Landscape influence on spatial patterns of meningeal worm and liver fluke infection in white-tailed deer Kimberly L. Vandervos, Steve K. Winklés, Brys T. Olson, J. Teal Sasmrad and Ron Moen

Human-induced eutrophication maintains high parasite prevalence in breeding threespine stickleback populations Alexandre Bouda and Unna Candlin

Immunological consequences of stress-related proteins – cytosolic tryptaredoxin peroxidase and chaperonin TCP20 – identified in splenic amastigotes of Leishmania donovani as Th1 stimulators, in experimental visceral leishmaniasis Anil Kumar Jaiswal, Prashant Khare, Sumit Joshi, Keerti Rawat, Narendra Yadav, Shyam Sundar and Anuradha Dube
Parasitology

EDITOR-IN-CHIEF
R. S. PHILLIPS

EDITOR – SPECIAL ISSUES
J. T. ELLIS

EDITORS
A. BELL, A. HEMPHILL, C. HOLLAND, D. P. KNOX, J. WASTLING

EDITORIAL POLICY
Parasitology publishes definitive papers on all aspects of pure and applied parasitology including biochemistry, molecular biology, immunology, genetics, ecology and physiology and also the application of new techniques, long-term epidemiology studies, advances in the understanding of life-cycles, chemotherapy and major systematic reviews. Papers should normally be full length with an explanatory introduction and detailed discussions of the findings reported. Shorter reports of particularly important findings will also be considered.

To submit papers online, go to http://mc.manuscriptcentral.com/par/

B. ABOIAN, University of California, San Diego, USA
J. M. BEHNKE, University of Nottingham, UK
A. BOWMAN, University of Aberdeen, UK
C. BRITTON, University of Glasgow, UK
A. FENTON, University of Liverpool, UK
P. GELDHOFF, University of Ghent, Belgium
H. HELMBY, London School of Hygiene & Tropical Medicine, UK
C. HIDE, University of Sheffield, UK
A. ITO, Asahikawa Medical College, Japan
M. K. JONES, Queensland Institute of Medical Research, Australia
F. KATZIER, Moredun Research Institute, UK
M. W. KENNEDY, University of Glasgow, UK
J. LA COURSE, Liverpool School of Tropical Medicine, UK
P. T. LOVERDE, University of Texas Health Science Centre, USA
M. MALLISTER, University of Adelaide, Australia
P. McVEIGH, Queen’s University Belfast, UK
E. MORGAN, University of Bristol, UK
S. A. NADLER, University of California, Davis, USA
D. OUTLAW, Mississippi State University, USA
R. POULIN, University of Otago, New Zealand
S. E. RANDOLPH, University of Oxford, UK
D. ROLLINSON, Natural History Museum, London, UK
T. SCHETTERS, Interex International, The Netherlands
M. SCHINDLER, University of Zurich, Switzerland
J. R. STOTHARD, Liverpool School of Tropical Medicine, UK
U. TATU, Indian Institute of Science, India
J. T. TIMI, Universidad Nacional de Mar del Plata-CONICET, Argentina
D. WILLIAMS, University of Liverpool, UK
A. WILSON, University of York, UK
D. ZARLENGA, USDA, ARS, ANRI, USA
R. A. WILSON, University of York, UK
S. E. RANDOLPH, University of Oxford, UK
S. A. NADLER, University of California, Davis, USA
E. MORGAN, University of Bristol, UK

Parasitology (ISSN 0031–1820) is published monthly and semi-monthly in April and September.

Subscription rates may be sent to any bookseller or subscription agent or direct to the publisher: Cambridge University Press, University Printing House, Shaftesbury Road, Cambridge CB2 8BS, UK. Subscriptions in the USA, Canada and Mexico may be sent to Cambridge University Press, Journals Fulfilment Department, 100 Brook Hill Drive, West Nyack, New York 10994–2133. All orders must be accompanied by payment.

The subscription price (excluding VAT) of volume 142, 2015 which includes print and electronic access is £1663 (US $2827 in the USA, Canada and Mexico), for fourteen parts; the electronic-only price for institutional subscribers is £893 (US $1459 in the USA, Canada and Mexico). Single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

Online submission. Authors are encouraged to submit their manuscripts online. Go to http://mc.manuscriptcentral.com/par/ to open an author’s account for Parasitology. Manuscript Central is helping to improve the speed of the publication process for the journal.

Front Cover illustration: *Eimeria tenella*: early-stage immature oocysts at 72 h (A) and 2nd generation large immature and mature oocysts at 84 h (B) in the lamina propria, 3rd generation oocysts in the epithelium of the crypts at 96 h (E). From Matsubayashi et al. Vol 119(12) pp. 1553–1561.

© Cambridge University Press 2015

University Printing House, Cambridge CB2 8BS, United Kingdom
32 Avenue of The Americas, New York, NY 10013-2473, USA
477 Williamstown Road, Port Melbourne, VIC 3207, Australia
C/ Orense, 4, Planta 13 28020 Madrid, Spain
Lower Ground Floor, Nautica Building, The Water Club, Beach Road, Granger Bay, 8005 Cape Town, South Africa

Printed in the UK by Bell & Bain

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world’s forests. Please see www.fsc.org for information.